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OM protein - protein search, using sw model

Run on: June 18, 2003, 17:14:36 ; Search time 72.5077 Seconds
(without alignments)
504.414 Million cell updates/sec

Title: US-09-807-933B-7

Perfect score: 1826
Sequence: 1 MKETVAITSIYVALALSSA.....TFKEVCPAEITRSGCERK 338

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:
1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCIT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
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14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	769.5	42.1	299	US-10-007-521-12	Sequence 12, Appl
2	761.5	41.7	225	US-10-007-521-2	Sequence 2, Appl
3	761.5	41.7	297	US-10-007-521-4	Sequence 4, Appl
4	761.5	41.7	308	US-10-007-521-6	Sequence 6, Appl
5	760.5	41.6	201	US-09-261-329-4	Sequence 4, Appl
6	754.5	41.3	201	US-09-261-329-5	Sequence 5, Appl
7	753.5	41.3	205	US-09-261-329-7	Sequence 7, Appl
8	735	40.3	349	US-10-007-521-10	Sequence 10, Appl
9	722.5	39.6	203	US-09-261-329-9	Sequence 9, Appl
10	722.5	39.6	222	US-10-007-521-14	Sequence 14, Appl
11	722.5	39.6	294	US-10-007-521-24	Sequence 24, Appl
12	714	39.1	376	US-09-735-787-4	Sequence 4, Appl
13	711	38.9	305	US-09-735-787-2	Sequence 2, Appl
14	710	38.9	202	US-09-261-329-1	Sequence 1, Appl
15	708.5	38.8	203	US-09-261-329-6	Sequence 6, Appl
16	703.5	38.5	226	US-10-007-521-16	Sequence 16, Appl
17	703.5	38.5	293	US-10-007-521-20	Sequence 20, Appl
18	703.5	38.5	298	US-10-007-521-18	Sequence 18, Appl
19	699	38.3	310	US-10-007-521-22	Sequence 22, Appl

20	698.5	38.3	203	US-09-261-329-8	Sequence 8, Appl
21	693.5	38.0	235	US-08-841-636A-31	Sequence 31, Appl
22	693	38.0	202	US-09-261-329-3	Sequence 3, Appl
23	684.5	37.5	295	US-10-007-521-8	Sequence 8, Appl
24	678	37.1	202	US-09-261-329-2	Sequence 2, Appl
25	519.5	28.5	211	US-09-261-329-11	Sequence 11, Appl
26	503.5	27.6	235	US-09-261-329-10	Sequence 10, Appl
27	438	24.0	138	US-10-007-521-26	Sequence 26, Appl
28	231.5	12.7	75	US-10-007-521-32	Sequence 32, Appl
29	226.5	12.4	3732	US-10-123-155-71	Sequence 71, Appl
30	223	12.2	2916	US-10-123-155-69	Sequence 69, Appl
31	220.5	12.1	493	US-10-197-294A-2	Sequence 2, Appl
32	220	12.0	2294	US-10-184-644-283	Sequence 283, Appl
33	220	12.0	2294	US-10-184-634-283	Sequence 83, Appl
34	220	12.0	2750	US-10-123-155-85	Sequence 85, Appl
35	219	12.0	2033	US-10-123-155-307	Sequence 307, Appl
36	219	12.0	4563	US-10-184-644-311	Sequence 311, Appl
37	219	12.0	4563	US-10-184-634-311	Sequence 311, Appl
38	216	11.8	4374	US-10-123-155-125	Sequence 125, Appl
39	215	11.8	2014	US-10-123-155-547	Sequence 547, Appl
40	214.5	11.7	2651	US-10-184-644-135	Sequence 135, Appl
41	214.5	11.7	2651	US-10-184-634-135	Sequence 135, Appl
42	214	11.7	1648	US-10-184-644-295	Sequence 295, Appl
43	214	11.7	1648	US-10-184-634-295	Sequence 295, Appl
44	213	11.7	2917	US-10-123-155-343	Sequence 343, Appl
45	212.5	11.6	3313	US-10-184-644-77	Sequence 77, Appl

ALIGNMENTS

RESULT 1
US-10-007-521-12
Sequence 12, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Larsen, Soren N.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESSES:
ADDRESSEE: No. US20030054539A10 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007, 521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/551, 136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33, 728
REFERENCE/DOCKET NUMBER: 4366, 200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:

	Query_Match Similarity	41.3%;	Score 754.5;	DB 9;	length 201;	
	Local Similarity	63.7%;	Pred. No. 1.le-46;			
	Matches 130;	Conservative	28;	Mismatches	41;	Indels 5; Gaps 2
OY	135	GGSGTTRYYWDCCKASCSPFGKASVTGPVDVTCASNGLSLIDANAQSCGNGNCFMCMNNOP	194			
Dd	1	GSGGSTRYYWDCCPKPCAMPGKAASVPYACANFORLSDFFVQSGCNGGASYSACADQTP	60			
OY	195	MAVNDELAVYGPAALSIAGSNEAGMCGCYELPTFSGAASGKKMVYQVTTGDLGSNHFD	254			
Dd	61	MAVNDMLAIGFAPATISLAGSSSESWCCACTALFTSPVPAVKTNMYVGISTTGDDLSGNQD	120			
OY	255	LMPGGGVGIFENGCAQWGA-PNDGNGARYGVGVSYSDCASLPALQAGCKRFRFNFKXS	313			
Dd	121	IAMPGGGVGI FNGCSSOFGLP --- GAQYGISRDQDSFPALPKGCQMRFEWFONA	176			
OY	314	DNPTMTKEVTECPAEILTRSGGER	337			
Dd	177	DNPTFTFOVQCBAEIVARSGCCR	200			

	Query Match	41.3%	Score 753.5	DB 9	Length 205;
	Best Local Similarity	61.5%	Pred. 1.3e-46;		
	Matches 126; Conservative	32;	Mismatches 44;	Indels	Gaps 3
OY	135	GGSGTTPYMCKKSCGMPGASTGTGVDTCASGISLLD--ANAGSGN-CGNGFMNNN	193		
		:::::			
Db	1	GIGGTTIRWDCRSCAFPKGP--SSVQACDKNDNPENFGDSTRSGDAGSAVMSSQ	59		
OY	193	QPMAVNDELAYGAFAASTAGSNEAGMCCCGIELFTFSGAAGSKMMVQYNTTGDDLGSNH	25		

RESULT 8
US-10-007-521-10
Sequence 10, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1o No. US20030054539A1dlrk of No. US20030054539A1

Query Match	40.3%	Score 735;	DB 9;	Length 349;
Best Local Similarity	61.7%	Pred. No. 4.7e-45;		
Matches 127;	Conservative 27;	Mismatches 46;	Indels 6;	Gaps 2
QY	134	SGSGSTTRVYDCCCKASCMSPGKASYVGPVDTCA	NSGISLIDANAAGCGNGNGMFCNNQ	193
Db	22	SGKGRITRWDCCKTSICAMGKKASVSEPVUTCKQ	KQNPVIDYANARAGCGCGGAFACITNS	81
QY	194	PMVNVDELAYGFAAASIAGSNEAGWCCGCEYL	TFSTGAASGKTRVVQVTNTGDDLGSNHF	253
Db	82	PMVAISEDLAYGFAATATLSCGTBEGSMCCACAI	IFFTSPVAGKGMVVQSTVTGDDLNNHF	141

Qy	Db
254	DLMPGGGAVITFNGCAALMG--APNDGWARFGVSVSDCSLPSLAQACCKRPMWPK 311
142	DLMIPEGGLGTFPGCSAQFGQLP-----GERFGVSVSSQCCIMPELLKQCCQMRPMWPK 197
312	NSDNPMTTKEVYTCRAELTTBSGGER 337
198	NSDNPDLREFOVQCPKELLTAIVSCVR 223

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RESULT 9
US-09-261-329-9
: Sequence 9, Application US/09261329
: Publication No. US20030092097A1
GENERAL INFORMATION:
APPLICANT: Andersen, Kim
APPLICANT: Schulte, Martin
APPLICANT: Christensen, Lars
APPLICANT: Damgaard, Bo
APPLICANT: Von Der Osten, Claus
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT APPLICATION NUMBER: US/09/261,329
CURRENT FILING DATE: 1999-03-03
EARLIER APPLICATION NUMBER: 1013/96
EARLIER FILING DATE: 1996-09-17
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 9
LENGTH: 203
TYPE: PRT
ORGANISM: Cellulase variants
US-09-261-329-9

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	Query Match	39.6%	Score 722.5	DB 9	Length 203	
	Best Local Similarity	60.3%	Pred. No. 2.1e-44			
	Matches	126	Conservative	26	Mismatches	42
					Indels	15
					Gaps	3
Qy	136	SGSTTRTYDDCKCA	CSMPGKASVTYG	PVDTCASNGISL	DANQ-----	SGCNGANGEM 188
Db	2	SGVTTTRYDDCKCP	SCAMTGKASVS	RPVGTGCTIND-----	NAQTPESDLTKSS	CDGGSAVY 55
Qy	189	CNNQPMAYNDLAV	GPAAASVAGS	NEAGMCCGCEYL	FTPSGAAGSKM	YVVTNTGGL 248
		:	:	:	:	:
Db	56	CSNQGPMAYNDSL	ISGFPAAKLSG	QOETDMDCCGCT	KLITTSVAVSGK	QMTIVQITNTGGL 115
Qy	249	GSNHFDLMPGGG	VGIVIFNGCA	QMGAPNDGM	GARYGVSSVS	DCASLPSALQAGCKMRPN 308
		:	:	:	:	:
Db	116	GNNHFEDIMPGG	GVGIVIFNGCS	KQNNGIN--	LDNQGVGF	TRDRQCATLPSKMQAS
		:	:	:	:	:
Qy	309	WPKNSDNFTMT	EKEYTCPAEL	TTTRSGCER	337	
		:	:	:	:	:
Db	174	WFEINDNFTVME	PVTCFOEL	VAARGCSR	202	
		:	:	:	:	:

RESULT 10
US-10-007-521-14
Sequence 14, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglcucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSSE: No. US20030054539A1o No. US20030054539A1disk
STREET: 405 Lexington Avenue, 64th Floor

CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:

US-10-007-521-14

	Query Match	39.6%; Score 722.5; DB 9; Length 222;
	Best Local Similarity	60.3%; Pred. No. 2.3e-44;
	Matches	126; Conservative 26; Mismatches 42; Indels 15; Gaps 3;
OY	136	SGSTTRWDCCKASCMPGKASVTGPVDTCAISNGISLIDANAQ-----SGCNGNGEMF 188
Db	21	SGVTTTRWDCCPKSCAMTGWKASVSKPVGTCIDIN-----NAQPPSLLDKSSCDGGSAHY 74
OY	189	CNNNQPMNAVDELAYGFPAALSIAGSNAGWCOCGYELFTFTSGAASGKKMVQVNTGDDL 248
Db	75	CSNQGPMNAVNDLSYGFPAAATGSGKQETDWCGCCGCKLTFTSTANSGKOMITVQINTGDDL 134
OY	249	GSHNFIDLQMPGGGVGIIFNGCAAQWGAPDNCGAARYGVSVSDCASLESALQAQCKWFEN 308
Db	135	GNNHFDIAMPGGGVGIFNGGCKQNNGIN--LGNYGGFTDRSQCATILPSKWQACNNRPF 192
OY	309	WEKNSDNPMTFKFEVTPCAPILTTSSEGR 337
Db	193	WEFANADPTVDMEBPTQOBLVAATGCR 221

RESULT 11
 US-10-007-521-24
 : Sequence 24, Application US/10007521
 : Publication No. US20030054539A1
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Schuelein, Martin
 : Andersen, Lene N.
 : Lassen, Soren F.
 : Kauppinen, Markus S.
 : Lange, Lene
 : Nielsen, Ruby I.
 : Ihara, Michiko
 : Takagi, Shinobu
 :
 : TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
 :
 : NUMBER OF SEQUENCES: 109
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
 : STREET: 405 Lexington Avenue, 64th Floor
 : CITY: New York
 : STATE: New York
 :

COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-10-007-521-24

Query Match 39.6%; Score 722.5; DB 9; Length 294;
Best Local Similarity 60.3%; Pred. No. 3,1e-44;
Matches 126; Conservative 26; Mismatches 42; Indels 15; Gaps 3;

QY 136 SGGTTRWDCCCKASCSMPGKASTGTPVDTGASNGISLDANAQ-----SGNGNGNGM 188
DB 21 SGVTRRWDCCKSCATGKASVSKPVGTCDIND-----NAQTPSDLLKSGDGSAYY 74
QY 189 CANNQPAVNDLAYGFAASIASNSNAGWCCGCELTFTSGAASGKRVVQVNTGDL 248
DB 75 CSNQGPAVNDLSYGAAPAAKLSKQKOTDWCCKCYLTFTSTAVSGKQIMVQITNTGDL 134
QY 249 GSNHFDLQMPGGVGIFNGCAQWGAIDNGMARVGVSSVSDCASLPSALQAGCQRN 308
DB 135 GNNHFDLAMPGGVGIFNGCSKQWNGIN--LGNQYGGFTDRSQCATLPSKMQASCNWRPD 192
QY 309 WEKSDNPMTKEKVTCPAELTTRSGCER 337
DB 193 WFNADNPVDMEPVTCPELIVARTGCSR 221

RESULT 12
US-09-735-787-4
Sequence 4, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schulein, Martin
Pakar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20010036910A1 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-735-787-4

Query Match 39.1%; Score 714; DB 10; Length 376;
Best Local Similarity 59.1%; Pred. No. 1,6e-43;
Matches 127; Conservative 26; Mismatches 58; Indels 4; Gaps 3;

QY 124 AGYVIGSGKSGSGSTTRWDCCCKASCSMPGKASTGTPVDTGASNGISLDANAQSGC-N 182
DB 10 AGPLAVSNA-SGSHSTRWDCCCKPSCSWGKAANAPALCDKNDNPISNTAVAGCG 68
QY 183 GANFPMCNNOQPAVNDLAYGFAASIASNSNAGWCCGCELTFTSGAASGKRVVQV 242
DB 69 GGSAYACTNNSPMAVNDLAYGFAATKISGSEASWCCACVALTFTGPKGKRMVOST 128
QY 243 NTGDDLGSNHDLDMPGGVGIFNGCAQWGAIDNGMARVGVSSVSDCASLPSALQAG 302
DB 129 NTGDDLGNHFDLMPGGVGIFNGCTSEFGKALG--GAOTGGISNSSECDSTFELLKDG 186
QY 303 CKMFPMFKNSDNPMTKEKVTCPAELTTRSGCER 337
DB 187 CHMFDPFNADNPDPFTEQYQCPKALLDISGCR 221

RESULT 13
US-09-735-787-2
Sequence 2, Application US/09735787
Patent No. US20010036910A1
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schulein, Martin
Pakar, Shankant A.
Hagen, Fred
TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESS: No. US20010036910A1 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lambirth, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 305 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-735-787-2

Query Match 38.9%; Score 711; DB 10; Length 305;
Best Local Similarity 61.2%; Pred. No. 2,1e-43;
Matches 126; Conservative 26; Mismatches 48; Indels 6; Gaps 3;
QY 134 GSGSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQTPW 192
DB 21 AADRSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQ 80
QY 193 QPMAVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSH 252
DB 81 TPAVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSH 140
QY 253 FDLQMPGGVGIFNGCAQWGA-PNDGWARYGVSVDCAALPSALQAGCKMRFPMWFK 311
DB 141 FDLQMPGGVGIFNGCAQWGA-PNDGWARYGVSVDCAALPSALQAGCKMRFPMWFK 196
QY 312 NSDPTMFKVTCPAELTTRSGCER 337
DB 197 NADNPSFSPQVOCPPALVARTGCR 222

RESULT 14
US-09-261-329-1
Sequence 1, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:
APPLICANT: Andersen, Kim
APPLICANT: Schulten, Martin
APPLICANT: Christiansen, Lars
APPLICANT: Damgaard, Bo
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT FILING DATE: 1999-03-03
EARLIER FILING DATE: 1996-09-17
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 202
TYPE: PRT
ORGANISM: Cellulase variants
US-09-261-329-1

Query Match 38.9%; Score 710; DB 9; Length 202;
Best Local Similarity 62.1%; Pred. No. 1,6e-43;
Matches 126; Conservative 25; Mismatches 46; Indels 6; Gaps 3;
QY 137 GSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQTPW 195
DB 21 AADRSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQ 80

DB 3 GRSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQTPW 62
QY 196 AVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSHFDL 255
DB 63 AVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSHFDL 122
QY 256 QPMAVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSHFDL 314
DB 123 NITGGVGIFDGTCPQGGP-GRYGGISSRBCDFPDAKSGCEBGAAYACADQTPW 178
QY 315 NPTMFKVTCPAELTTRSGCER 337
DB 179 NPSFSPQVOCPPALVARTGCR 201

RESULT 15
US-09-261-329-6
Sequence 6, Application US/09261329
Publication No. US20030092097A1
GENERAL INFORMATION:
APPLICANT: Andersen, Kim
APPLICANT: Schulten, Martin
APPLICANT: Christiansen, Lars
APPLICANT: Damgaard, Bo
TITLE OF INVENTION: Cellulase Variants
FILE REFERENCE: 4887,204-US
CURRENT FILING DATE: 1999-03-03
EARLIER FILING DATE: 1996-09-17
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 6
LENGTH: 203
TYPE: PRT
ORGANISM: Cellulase variants
US-09-261-329-6

Query Match 38.8%; Score 708.5; DB 9; Length 203;
Best Local Similarity 60.3%; Pred. No. 2,1e-43;
Matches 123; Conservative 25; Mismatches 53; Indels 3; Gaps 2;
QY 135 GSGSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQTPW 193
DB 1 GSGSTRYWDCCKPSGCMWAKAPVNOVVFSCNANFORITDPDAKSGCEBGAAYACADQTPW 80
QY 194 PMAVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSHFDL 253
DB 61 PMAVNDLAYGFAAASIASGNEAGMCCGCELTFTSGAASGKKMVOVNTTGGDLGNSHFDL 120
QY 254 DLMPPGGVGIFNGCAQWGA-PNDGWARYGVSVDCAALPSALQAGCKMRFPMWFKNS 313
DB 121 DLMPPGGVGIFNGCAQWGA-PNDGWARYGVSVDCAALPSALQAGCKMRFPMWFKNS 178
QY 314 DNPMTFKVTCPAELTTRSGCER 337
DB 179 DNPMTFKVTCPAELTTRSGCER 202

Search completed: June 18, 2003, 17:44:43
Job time : 72.5077 secs

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